

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

ATTY DOCKET NO.

03500.017638

APPLICATION NO. N.Y.A./

Nat'l Stage of
PCT/JP2003/013074

APPLICANT

Shunichi Ishihara et al.

FILING DATE

October 10, 2003

GROUP

N.Y.A.

U.S. PATENT DOCUMENTS

| *EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|----------------------|--|--------------------|----------|----------------|-------|----------|-------------------------------|
| /MC/ | | 2002/0009895 A1 | 01/24/02 | Nishida | 438 | 758 | |
| /MC/ | | 6,090,361 | 07/18/00 | Baba et al. | 423 | 350 | |
| /MC/ | | 5,455,430 | 10/03/95 | Noguchi et al. | 257 | 53 | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION YES/NO/ OR ABSTRACT |
|------|----|--------------------|----------|---------|-------|----------|---------------------------------------|
| /MC/ | JP | 10-98205 | 04/14/98 | Japan | | | Abstract |
| /MC/ | JP | 5-36611 | 02/2/93 | Japan | | | Abstract |
| /MC/ | JP | 10-324515 | 12/08/98 | Japan | | | Abstract |
| /MC/ | JP | 2003-243675 | 08/29/03 | Japan | | | Abstract |
| /MC/ | EP | 0 831 539 A2 | 03/25/98 | Europe | | | |
| /MC/ | EP | 0 867 405 A1 | 09/30/98 | Europe | | | |

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | | | | | | |
|------|--|--|--|--|--|--|--|
| /MC/ | | R. Kishore et al., "Thin Film Solar Cells from Directionally Solidified Polycrystalline Silicon Doped with B, Al, Cu and C," <i>Conference Record of the 19th IEEE Photovoltaic Specialists Conference</i> , 1987, pages 1271-1274. | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

EXAMINER

/Marissa Chaet/

DATE CONSIDERED

07/27/2007

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Sheet 1 of 1

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)ATTY DOCKET NO.
03500.017636.APPLICATION NO.
10/530,189

APPLICANT

SHUNICHI ISHIHARA, et al.

FILING DATE

October 10, 2003

GROUP

U.S. PATENT DOCUMENTS

| *EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|----------------------|--------------------|----------|------------------|-------|----------|-------------------------------|
| /MC/ | 6,953,506 | 10/11/05 | Iwane, et al. | 117 | 206 | |
| | 6,869,863 | 03/22/05 | Nishida | 438 | 497 | |
| | 6,824,609 | 11/30/04 | Saito, et al. | 117 | 54 | |
| | 6,818,911 | 11/16/04 | Tamamori, et al. | 250 | 492.22 | |
| | 6,818,104 | 11/16/04 | Iwasaki, et al. | 204 | 199 | |
| | 6,802,926 | 10/12/04 | Mizutani, et al. | 156 | 247 | |
| | 6,802,900 | 10/12/04 | Iwane, et al. | 117 | 54 | |
| | 6,756,289 | 06/29/04 | Nakagawa, et al. | 438 | 478 | |
| | 6,682,990 | 01/27/04 | Iwane, et al. | 438 | 458 | |
| | 6,664,169 | 12/16/03 | Iwasaki, et al. | 438 | 409 | |
| | 6,653,554 | 11/25/03 | Ishihara | 136 | 258 | |
| | 6,566,277 | 05/20/03 | Nakagawa, et al. | 438 | 761 | |
| | 6,566,235 | 05/20/03 | Nishida, et al. | 438 | 458 | |
| | 6,515,218 | 02/04/03 | Shimizu, et al. | 136 | 256 | |
| | 6,500,731 | 12/31/02 | Nakagawa, et al. | 438 | 455 | |

FOREIGN PATENT DOCUMENTS

| DOCUMENT- NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION YES/NO/ OR ABSTRACT |
|---------------------|------|---------|-------|----------|---------------------------------------|
| | | | | | |
| | | | | | |
| | | | | | |

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

| | |
|------|---|
| /MC/ | Haruo Itoh, et al., "Characterization of Silicon Layers Epitaxially Grown on Metallurgical-Grade Polycrystalline Substrates", Journal of Crystal Growth 45 (1978), pp. 446-453. |
| /MC/ | T. H. Wang, et al., "Growth of silicon thin layers on cast MG-Si from metal solutions for solar cells", Solar Energy Materials and Solar Cells 41/42 (1996), pp. 19-30. |

EXAMINER /Marissa Chaet/

DATE CONSIDERED 07/27/2007

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)ATTY DOCKET NO.
03500.017636.APPLICATION NO.
10/530,189

APPLICANT

SHUNICHI ISHIHARA, et al.

FILING DATE

October 10, 2003

GROUP

U.S. PATENT DOCUMENTS

| *EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|----------------------|--|--------------------|-----------------|-------------------------|------------|-------------|-------------------------------|
| /MC/ | | 6,464,762 | 10/15/02 | Arao | 106 | 1.22 | |
| | | 6,452,091 | 09/17/02 | Nakagawa, et al. | 136 | 261 | |
| | | 6,429,035 | 08/06/02 | Nakagawa, et al. | 438 | 57 | |
| | | 6,391,743 | 05/21/02 | Iwane, et al. | 438 | 458 | |
| | | 6,387,780 | 05/14/02 | Nishida, et al. | 438 | 497 | |
| | | 6,384,313 | 05/07/02 | Nakagawa, et al. | 136 | 244 | |
| | | 6,331,208 | 12/18/01 | Nishida, et al. | 117 | 89 | |
| | | 6,271,462 | 08/07/01 | Tsuzuki, et al. | 136 | 290 | |
| | | 6,265,242 | 07/24/01 | Komori, et al. | 438 | 66 | |
| | | 6,258,698 | 07/10/01 | Iwasaki, et al. | 438 | 455 | |
| | | 6,258,666 | 07/10/01 | Mizutani, et al. | 438 | 258 | |
| | | 6,248,948 | 06/19/01 | Nakagawa, et al. | 136 | 244 | |
| | | 6,211,038 | 04/03/01 | Nakagawa, et al. | 438 | 409 | |
| | | 6,190,937 | 02/20/01 | Nakagawa, et al. | 438 | 67 | |
| | | 6,184,458 | 02/06/01 | Murakami, et al. | 136 | 256 | |
| ✓ | | 6,180,868 | 01/30/01 | Yoshino, et al. | 136 | 244 | |

FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION YES/NO/ OR ABSTRACT |
|--|--|--------------------|------|---------|-------|----------|---------------------------------------|
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

| | |
|--|--|
| | |
| | |

EXAMINER

/Marissa Chaet/

DATE CONSIDERED

07/27/2007

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Sheet 2 of 3

| | | | | | | | |
|--|--|--|--|---|--|--------------------------------------|--|
| FORM PTO 1449 (modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE LIST OF REFERENCES CITED BY APPLICANT(S) <i>(Use several sheets if necessary)</i> | | | | ATTY DOCKET NO. 03500.017636. | | APPLICATION NO. 10/530,189 | |
| | | | | APPLICANT SHUNICHI ISHIHARA, et al. | | | |
| | | | | FILING DATE October 10, 2003 | | GROUP | |

| U.S. PATENT DOCUMENTS | | | | | | | |
|-----------------------|--|--------------------|----------|-------------------|-------|----------|-------------------------------|
| *EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
| /MC/ | | 6,172,296 | 01/09/01 | Iwasaki, et al. | 136 | 256 | |
| | | 6,162,986 | 12/19/00 | Shiotsuka, et al. | 136 | 244 | |
| | | 6,140,209 | 10/31/00 | Iwane, et al. | 438 | 458 | |
| | | 6,110,347 | 08/29/00 | Arao, et al. | 205 | 333 | |
| | | 5,986,204 | 11/16/99 | Iwasaki, et al. | 136 | 256 | |
| | | 5,981,864 | 11/09/99 | Mizutani, et al. | 136 | 244 | |
| | | 5,770,463 | 06/23/98 | Nakagawa, et al. | 437 | 2 | |
| | | 5,714,010 | 02/03/98 | Matsuyama, et al. | 118 | 723 | |
| | | 5,712,199 | 01/27/98 | Nakagawa, et al. | 438 | 62 | |
| | | 5,510,151 | 04/23/96 | Matsuyama, et al. | 427 | 509 | |
| | | 5,486,238 | 01/23/96 | Nakagawa, et al. | 136 | 259 | |
| | | 2005/0136576 | 06/23/05 | Ishihara, et al. | 438 | 162 | |
| | | 2005/0109388 | 05/26/05 | Murakami, et al. | 136 | 255 | |
| | | 2005/0087226 | 04/28/05 | Nishida, et al. | 136 | 256 | |
| | | 2005/0066881 | 03/31/05 | Nakagawa, et al. | 117 | 18 | |
| | | 2004/0118337 | 06/24/04 | Mizutani, et al. | 117 | 54 | |
| | | 2004/0065251 | 04/08/04 | Nishida, et al. | 117 | 54 | |
| ✓ | | 2002/0092464 | 07/18/02 | Nakagawa, et al. | 117 | 94 | |

| FOREIGN PATENT DOCUMENTS | | | | | | | |
|--------------------------|--|--------------------|------|---------|-------|----------|---------------------------------------|
| | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION YES/NO/ OR ABSTRACT |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.) | |
|--|--|
| | |

| | | | |
|----------|----------------|-----------------|------------|
| EXAMINER | /Marissa Chae/ | DATE CONSIDERED | 07/27/2007 |
|----------|----------------|-----------------|------------|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Sheet 3 of 3